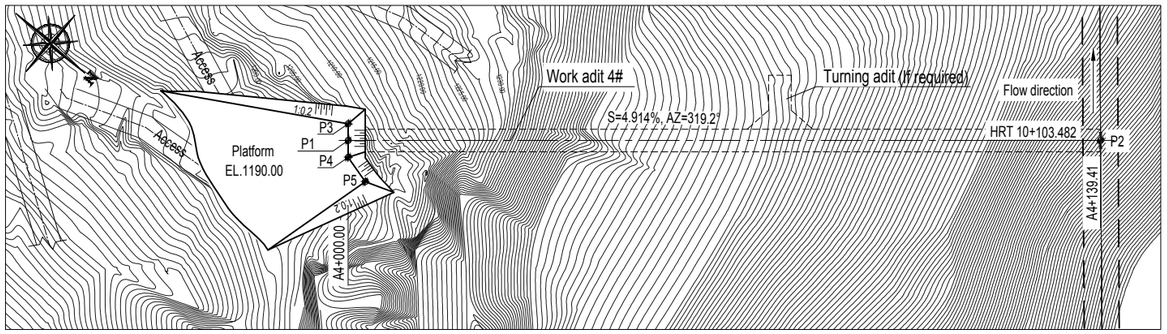
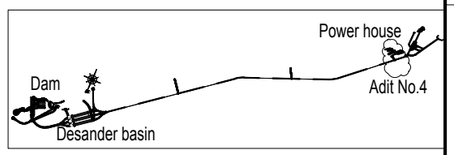
General Plan Layout of Adit No.4

scale 1:500

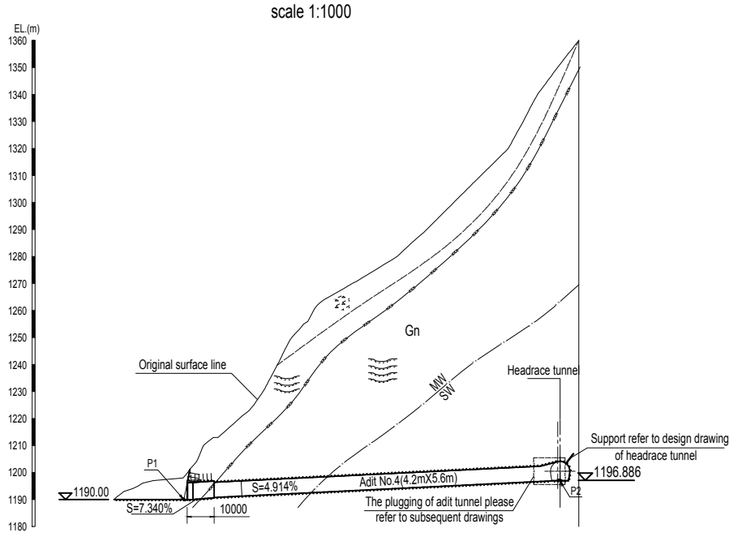




Key plan

Longitudinal Profile of Adit No.4

scale 1:1000



Chainage (m)	A4+000.000	A4+011.200	A4+039.046	A4+103.378	A4+132.305	A4+136.380	A4+139.410
Vertical alignment	1190.000	1190.000	1190.734	S=4.914% H=6.152m, SL=125.331m			1196.886
Distance (m)	B.P 00	20	40	60	80	100	120	140
Assumed rock classification		IV		III		II		
Overlying rock thickness		55		105		150		

Legend:

- Gn — Gneiss
- Qal — Colluvial deposits
- Rockfall Zone
- Highly weathered
- SW / MW — Inferred boundry between moderately weathered and slight weathered

Joint sets of adit No.4

Joint No.	Dip(degree)	Dip direction(degree)
J1(foliation)	30°	350°
J2	70°	225°
J3	60°	100°

Coordinate of control point

Point	East(m)	North(m)	Remark
P1	619318.4956	3107185.9482	
P2	619229.3181	3107293.1025	
P3	619316.1129	3107183.9652	
P4	619320.8786	3107187.9312	
P5	619322.3233	3107193.2378	

1:1000 0 10 20 30 40 50m

1:500 0 5 10 15 20 25m

NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2. The size of the entrance platform of adit No.4 can be adjusted according to the actual situation on site.
3. For the temporary road to adit No.4, please refer to the drawing of temporary road for construction in site.
4. The designer shall provide alternatives and options in the tunnel support design, so that the support can be adjusted in case geological conditions are varying.
5. The end position of the adit No.4 may be adjusted according to the final design of the headrace tunnel.
6. These rock classes and length estimates in drawings are purely speculative,and all rock classes may be encountered.
7. The number and location of turning adit should carry out according to the site construction requirement.

REFERENCE DRAWINGS

UT1-C-150-CVL-DG-54001	Layout drawing of headrace tunnel
UT1-C-150-CVL-DG-43011	Drawing of construction adit NO.4 plugging

SYMBOL AND LEGEND

FOR CONSTRUCTION

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0	23.Sep,2022	FOR CONSTRUCTION	Han Y.H.	Lei Y.G.	Luo.L. Zhou L.S.
0A	17.AUG,2022	FOR APPROVAL	Han Y.H.	Lei Y.G.	Luo.L. Zhou L.S.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC

OWNER'S ENGINEER

TRACTEBEL ENGIE · jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

LAYOUT DRAWING OF No.4 CONSTRUCTION ADIT

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-150-CVL-DG-43001	1 OF 1	0

A1 (594 x 841 MM)